

Burkholderia multivorans, Strain CF2

Catalog No. NR-20532

Product Description: *Burkholderia multivorans* (*B. multivorans*), strain CF2 was isolated prior to 2007 from a human respiratory sample from a patient with cystic fibrosis in Bethesda, Maryland, USA.

Lot^{1,2}: 61668167

Manufacturing Date: 17APR2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ³ Colony morphology ^{3,4} Growth at 42°C Motility (wet mount) ³ Biochemical characterization: Urease Acid production from glucose Acid production from sucrose Acid production from maltose Analytical profile index (API [®] 20NE) VITEK [®] MS (MALDI-TOF) ³	Report results Report results Growth Report results Positive Positive Negative Positive ≥ 80% <i>B. multivorans</i> <i>B. multivorans</i>	Gram-negative rods Circular, low convex, entire, smooth and gray (Figure 1) Growth Motile Positive Positive Negative Positive 99.9% <i>B. cepacia</i> ⁵ <i>B. multivorans</i> (99.9%)
Genotypic Analysis³ Sequencing of 16S ribosomal RNA gene (~ 860 base pairs)	≥ 99% sequence identity to <i>B. multivorans</i> , strain CF2 (GenBank: ALIX01000034.1)	100% sequence identity to <i>B. multivorans</i> , strain CF2 (GenBank: ALIX01000034.1) ⁶
Purity (post-freeze)^{3,7}	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)^{3,4}	Growth	Growth

¹NR-20532 was produced by inoculation of the deposited material into Tryptic Soy broth and grown 1 day at 37°C in an aerobic atmosphere with 5% CO₂. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles and grown 1 day at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot.

²Quality control testing for this lot was completed in May-June 2013 unless otherwise indicated.

³This test was completed or repeated in May 2016.

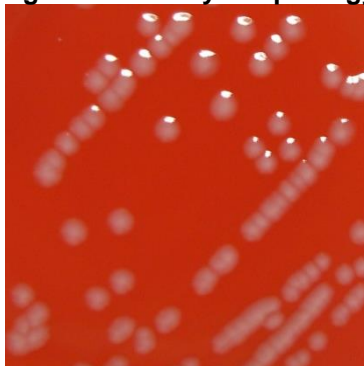
⁴1 day at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

⁵*B. multivorans* is not in the API database. Additional biochemical testing indicated that the species is probably *multivorans*. *B. cepacia* is known to be positive for sucrose oxidation and negative for maltose oxidation (Vandamme, P., et al. "Occurrence of Multiple Genomovars of *Burkholderia cepacia* in Cystic Fibrosis Patients and Proposal of *Burkholderia multivorans* sp. nov." *Int. J. Syst. Bacteriol.* 47 (1997): 1188-1200. PubMed: 9336927.).

⁶Also consistent with other *Burkholderia* species.

⁷Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



Date: 03 FEB 2017

Signature:



BEI Resources Authentication

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

